

**The Abstract:**

Please replace the abstract with the following:

*subcl 7*  
A receiver for transmission and parallel interference suppression is envisioned.

*A2*  
The receiver has multiple access interference suppression stages having K channels, each comprising a correlation means corresponding to a particular pseudorandom sequence and interference generation and suppression means. Each stage delivers to the following stage signals at least partly freed from multiple access interferences. A decision stage receives the signals from the channels of the preceding suppression stage. Each decision stage has a correlation means corresponding to one of the pseudorandom sequences and decision means to deliver data. A means for producing synchronization signals can control the interference suppression and the decision means. The means producing the synchronization signals have means placed in the channels of the final stage, the synchronization signals produced by the means controlling the decision means of the channels of the final stage and the interference estimation means of the at least one interference suppression stages following appropriate time shifts.